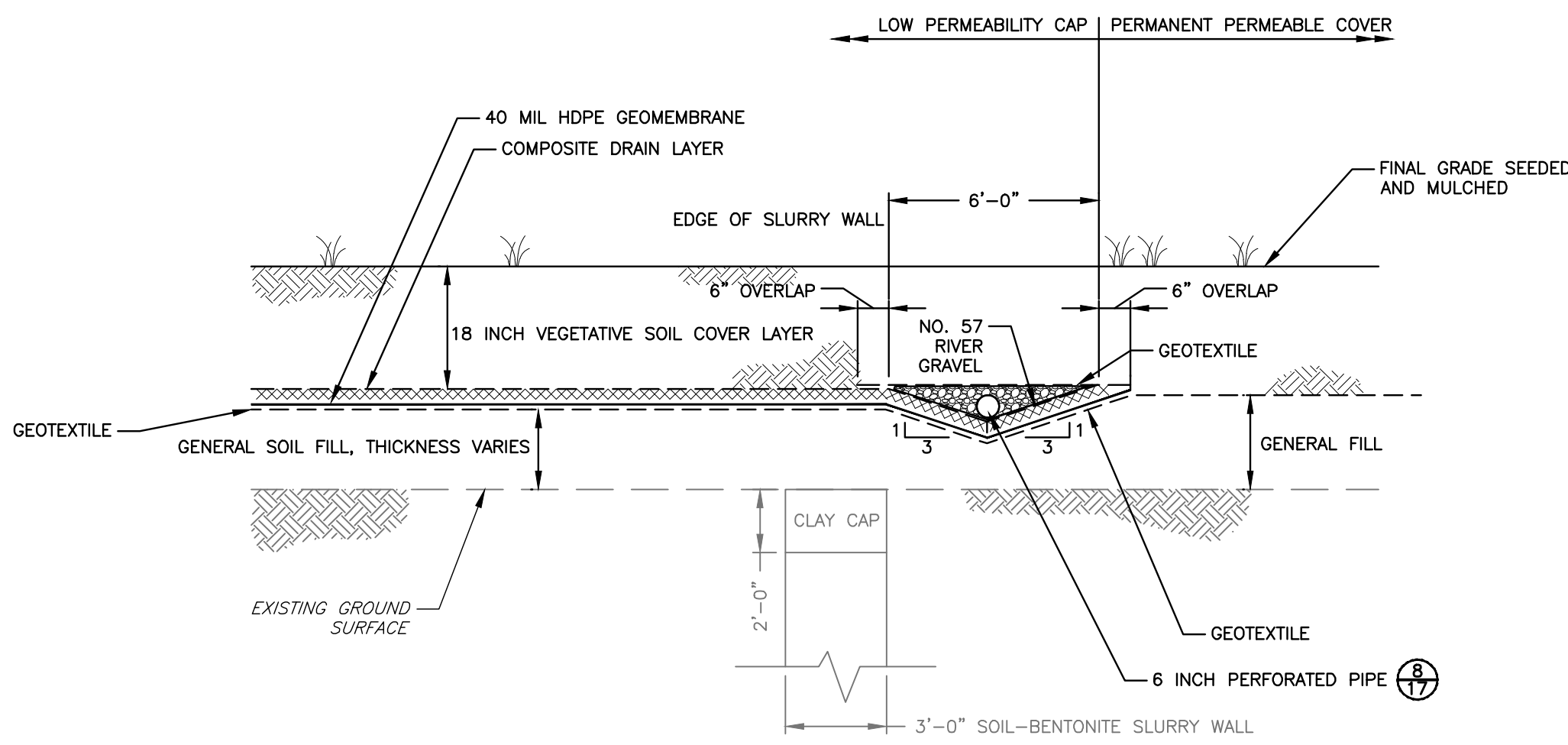
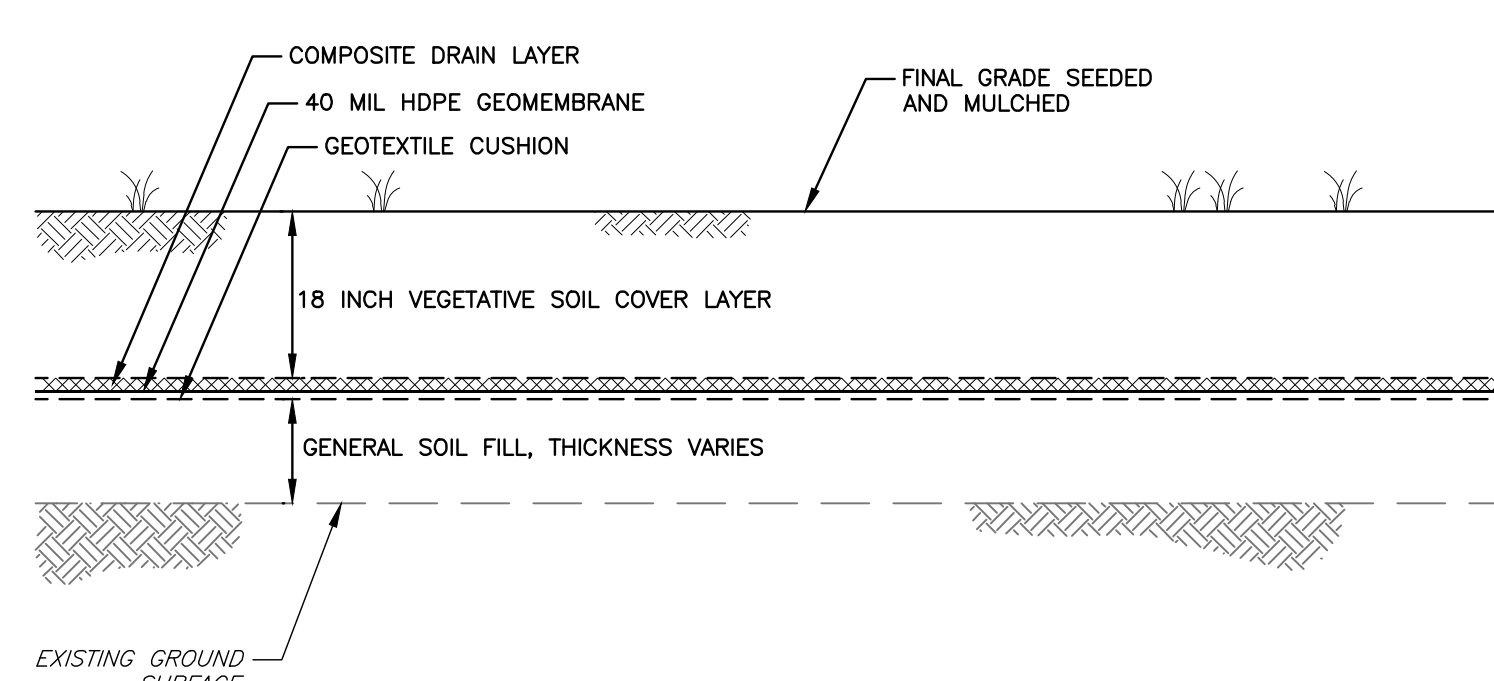


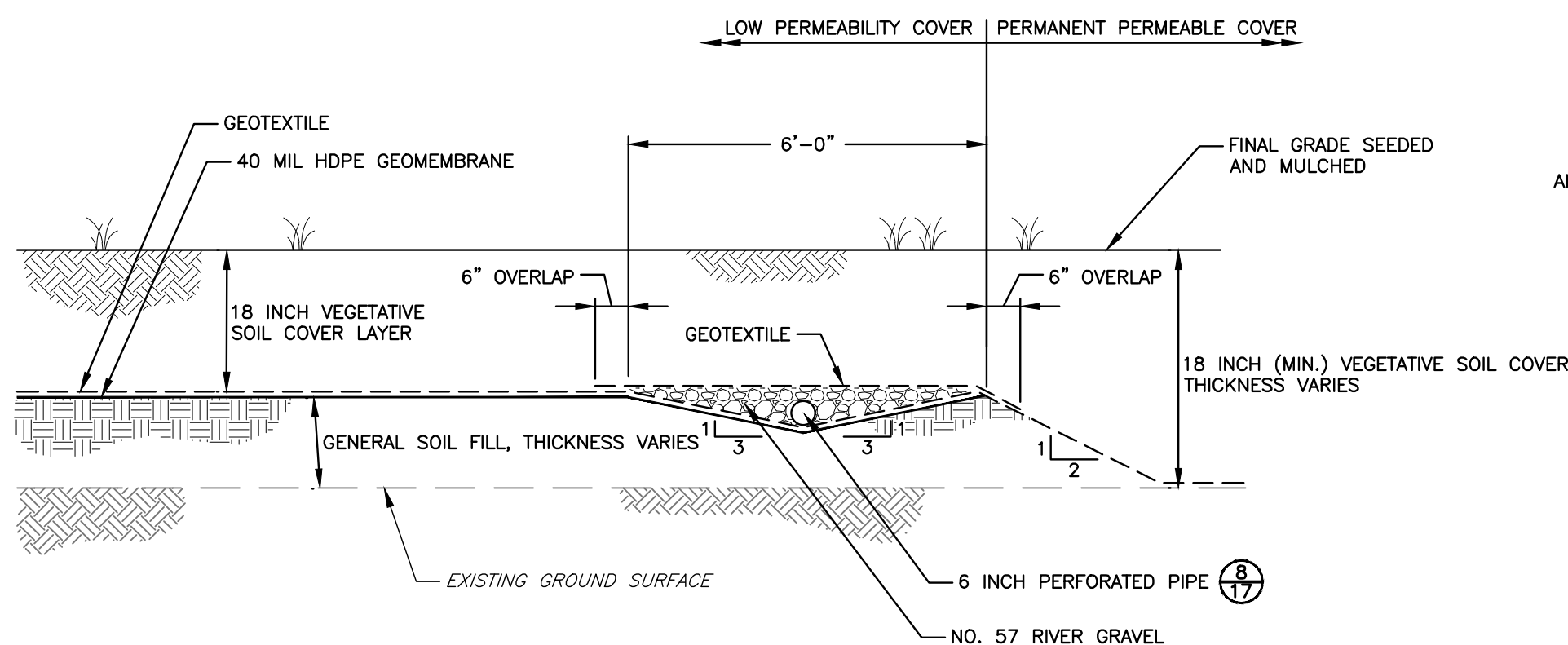
LOW PERMEABILITY CAP/LOW PERMEABILITY COVER TRANSITION
NO SCALE



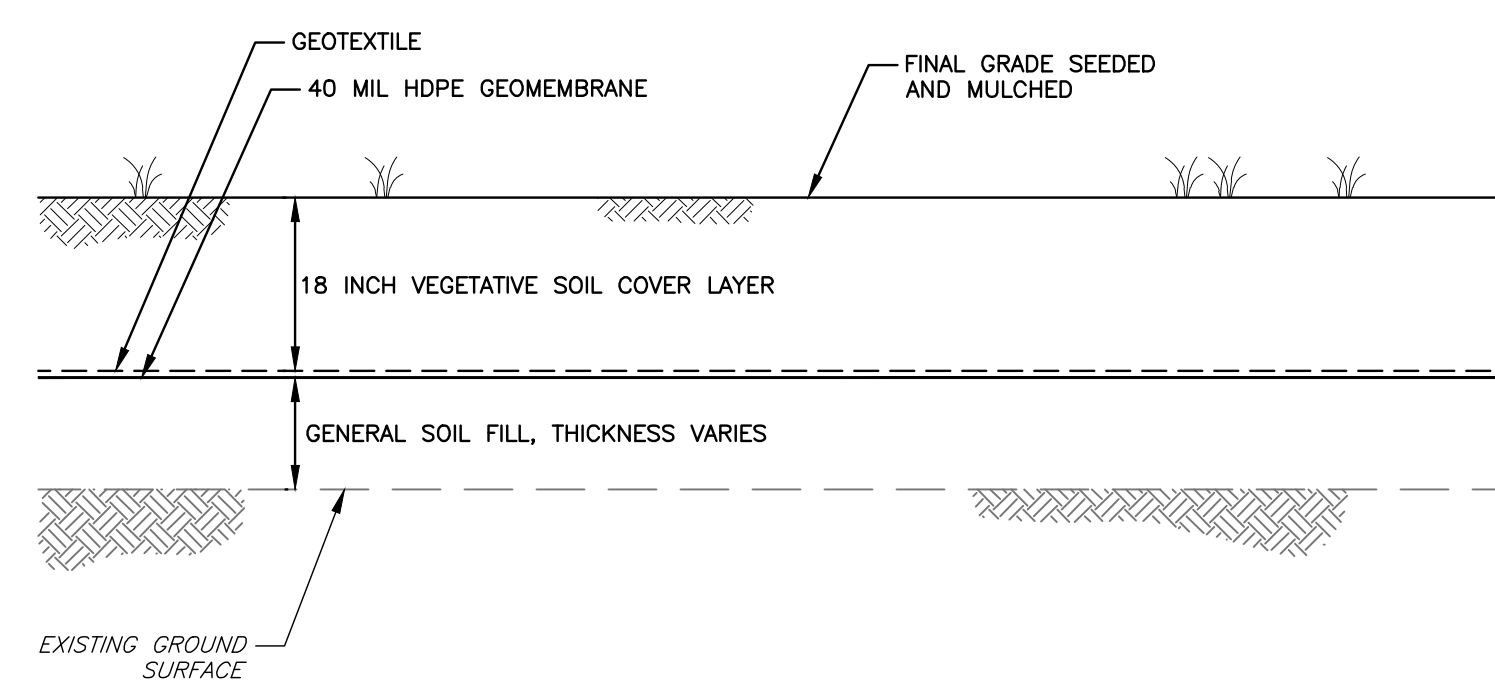
LOW PERMEABILITY CAP/PERMANENT PERMEABLE COVER TRANSITION
NO SCALE



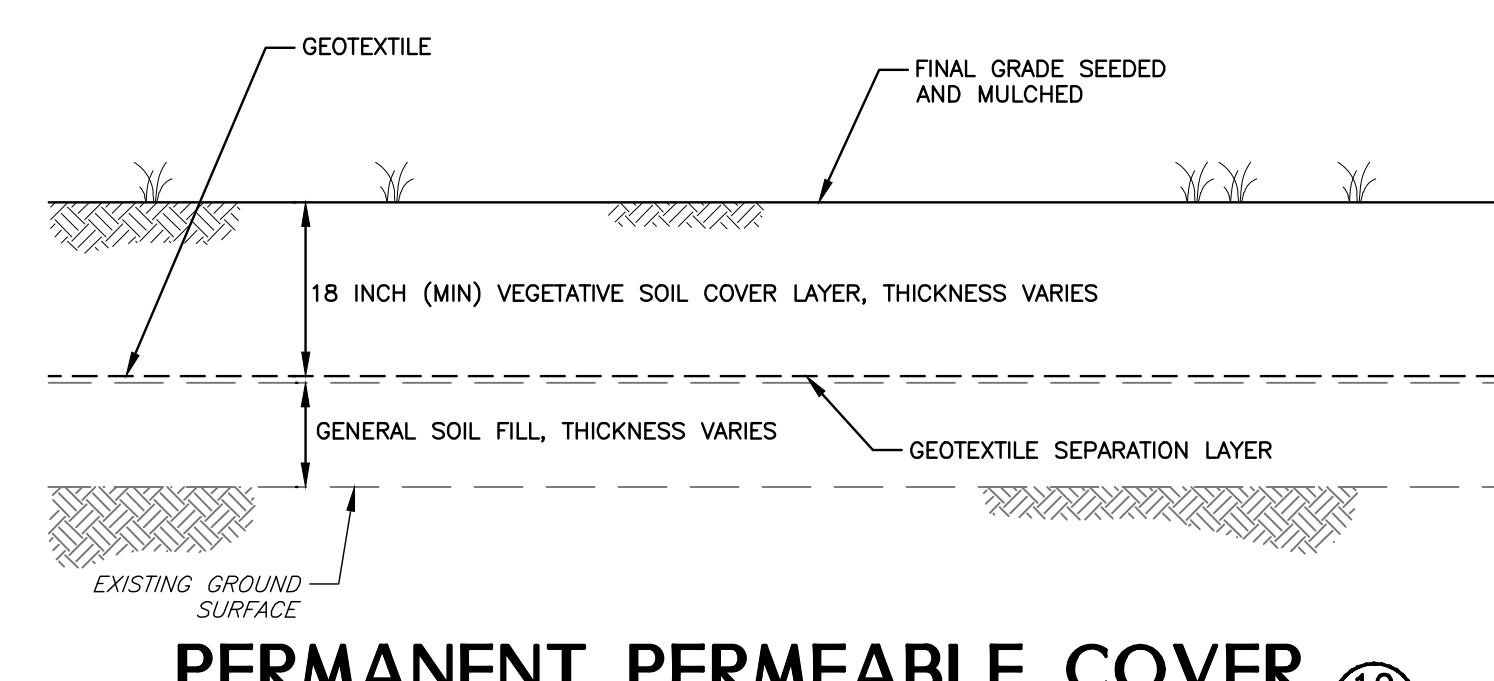
LOW PERMEABILITY CAP
NO SCALE



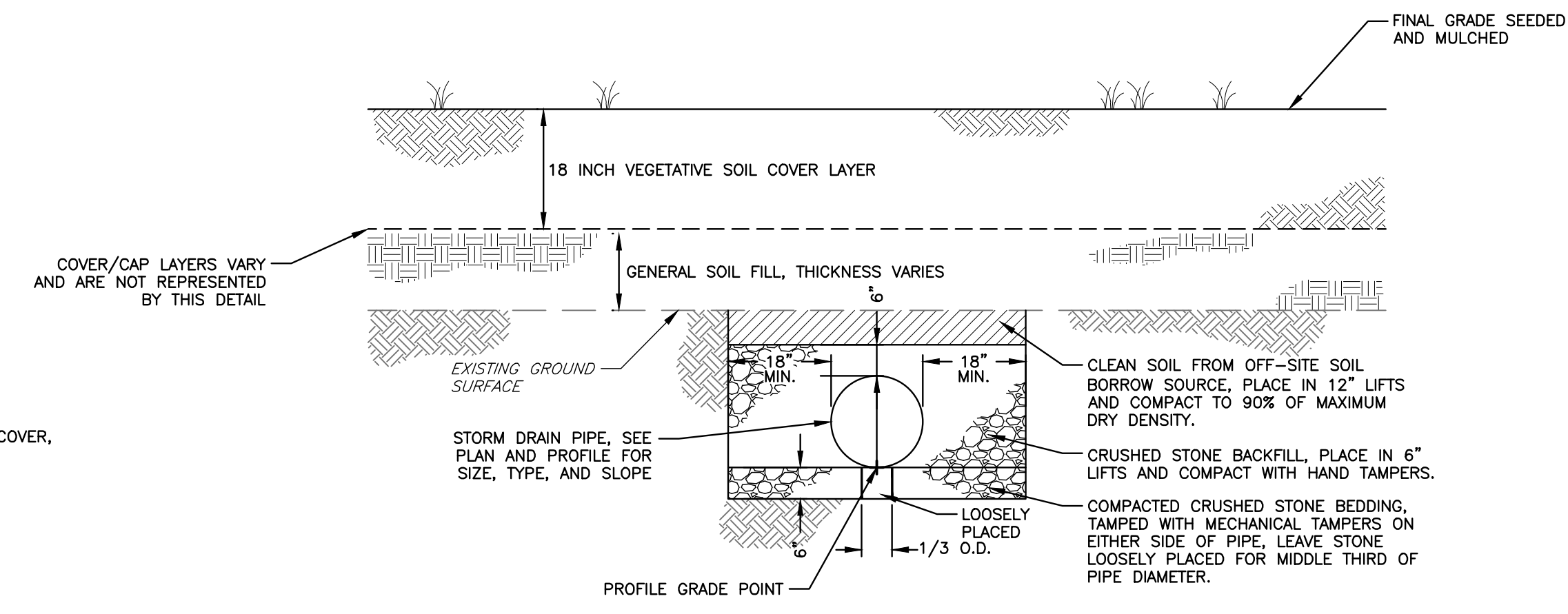
LOW PERMEABILITY COVER/PERMANENT PERMEABLE COVER TRANSITION
NO SCALE



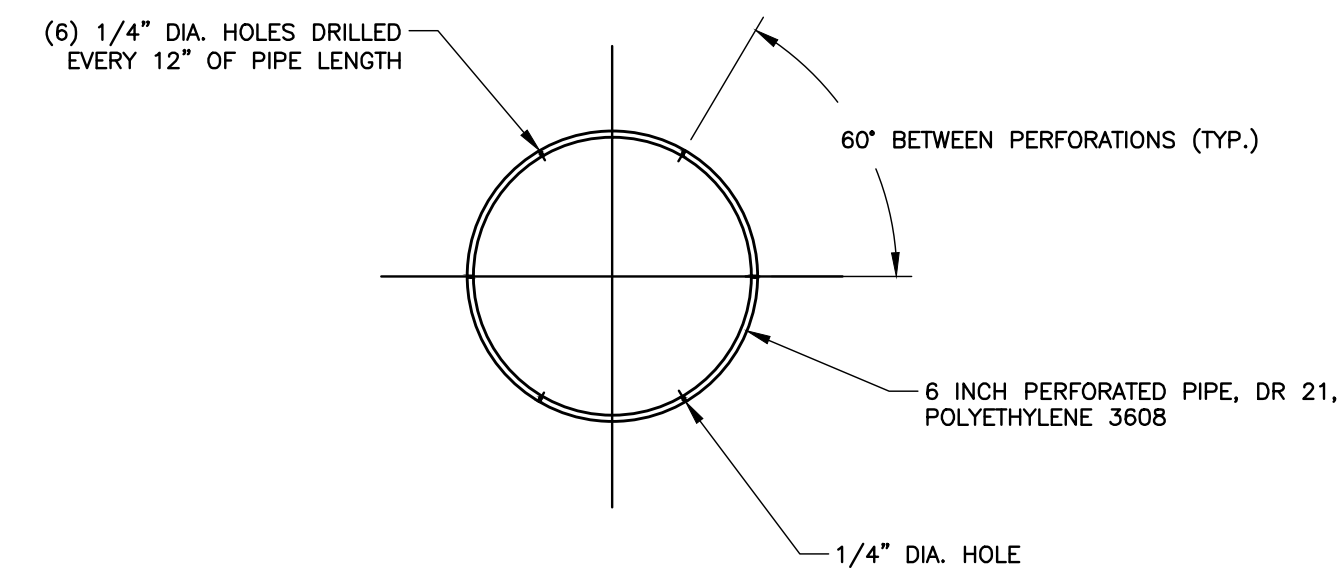
LOW PERMEABILITY COVER
NO SCALE



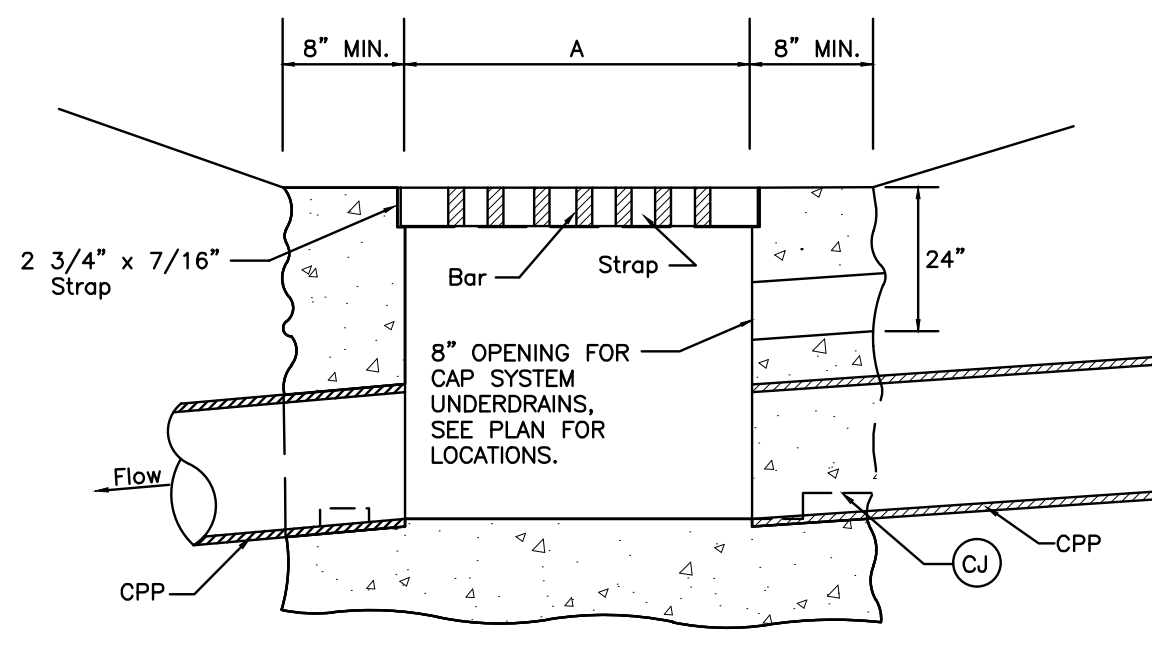
PERMANENT PERMEABLE COVER
NO SCALE



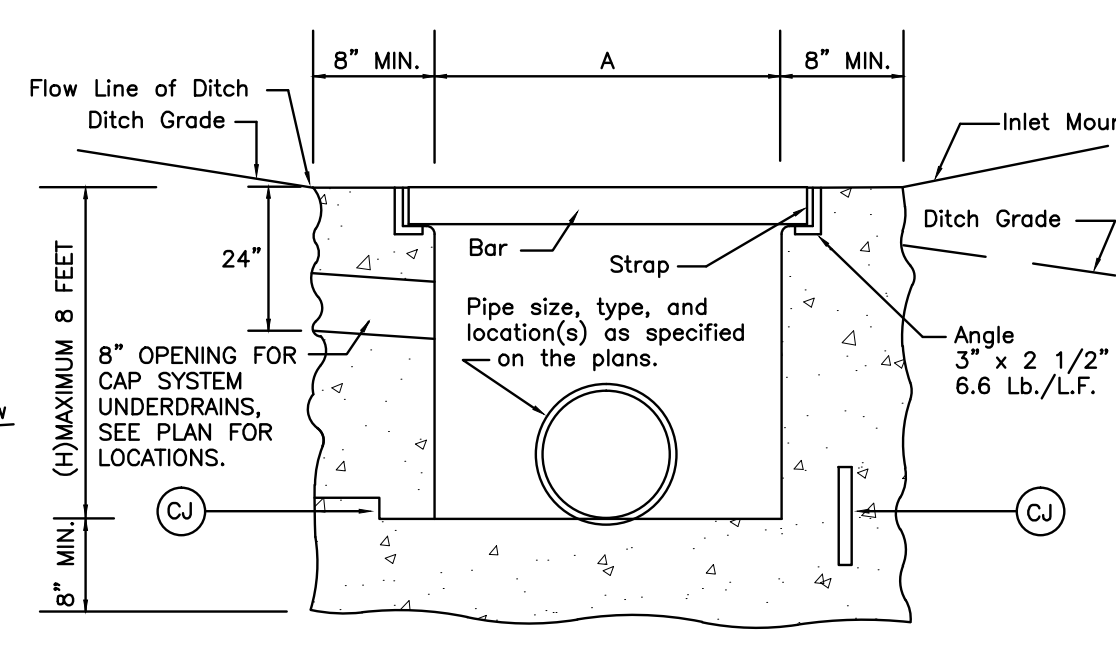
STORM DRAINAGE PIPE
NO SCALE



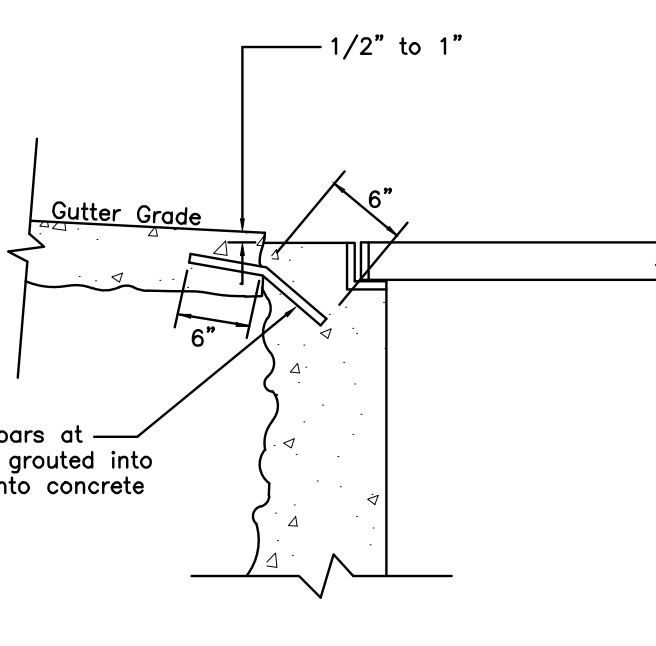
PERFORATION DETAIL FOR 6 INCH PERFORATED PIPE CAP SYSTEM UNDERDRAIN
NOT TO SCALE



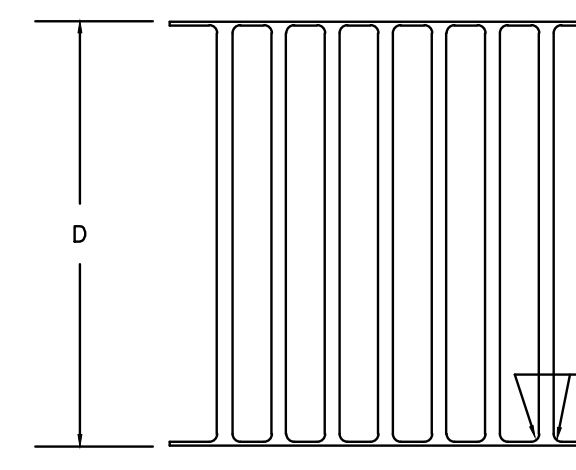
SECTION A-A
(Type 2 Grate Shown)



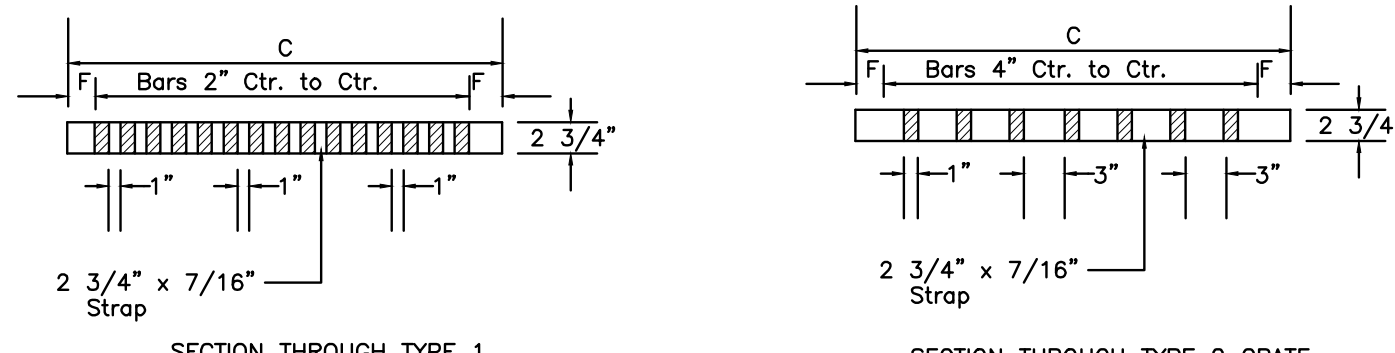
SECTION B-B



PARTIAL SECTION B-B
(Showing connection of concrete gutter)



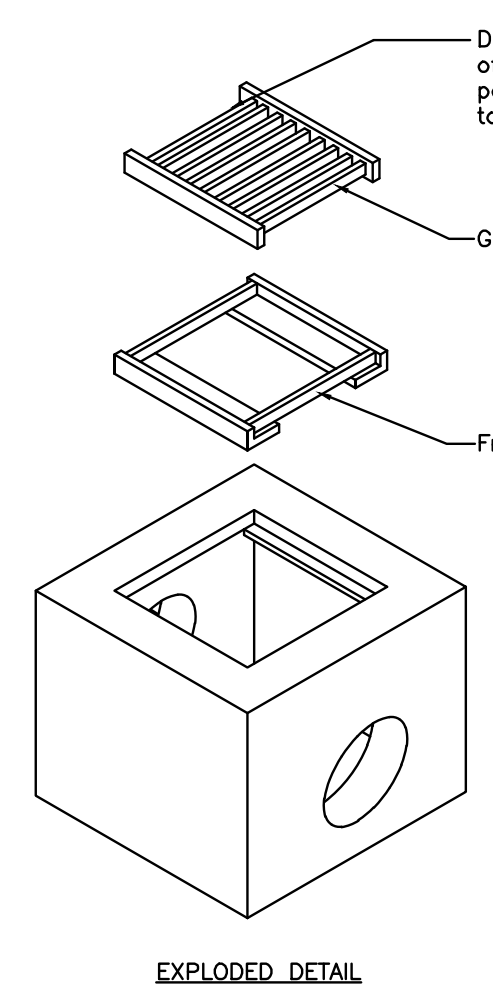
PLAN VIEW-TYPE 2 GRATE



SECTION THROUGH TYPE 1 GRATE

SECTION THROUGH TYPE 2 GRATE

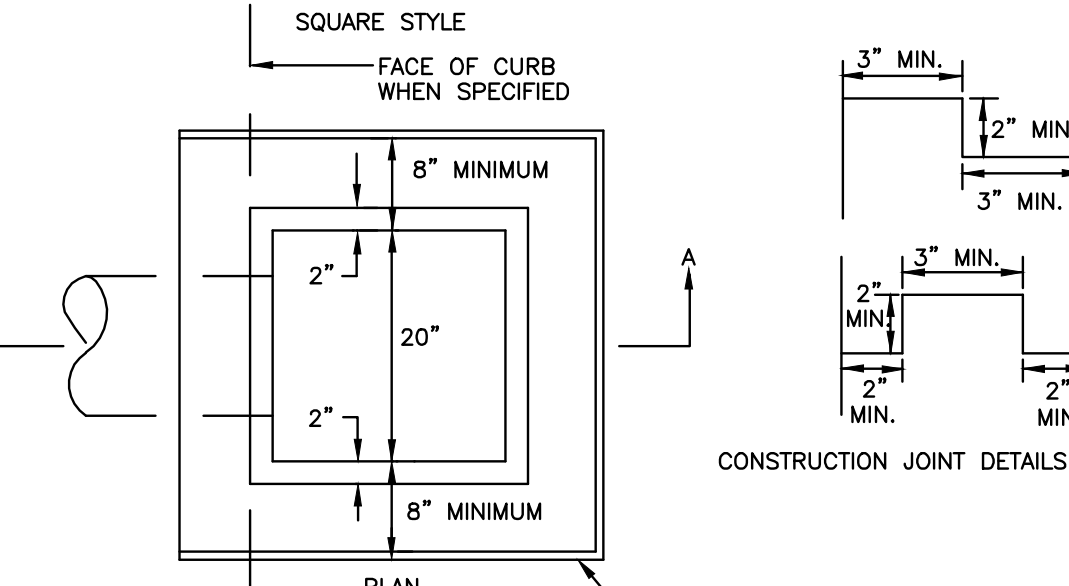
DIMENSIONS					TYPE 2 GRATE		FRAME		TYPE 1 GRATE		
Pipe Size	A	B	C	D	H(Min.)	F	Bars	WT.	F	Bars	WT.
18"	2'-8"	3'-2"	2'-7 3/4"	3'-1 3/4"	2'-0"	3 3/8"	7	223	62	1 3/8"	15 453
21"	2'-8"	3'-2"	2'-7 3/4"	3'-1 3/4"	2'-3"	3 3/8"	7	223	62	1 3/8"	15 453
24"	2'-8"	3'-2"	2'-7 3/4"	3'-1 3/4"	2'-6"	3 3/8"	7	223	62	1 3/8"	15 453
27"	3'-0"	3'-6"	2'-11 3/4"	3'-5 3/4"	2'-9"	3 3/8"	8	279	69	1 3/8"	17 566
30"	3'-6"	4'-0"	3'-5 3/4"	3'-11 3/4"	3'-0"	3 3/8"	9	357	80	1 3/8"	21 797
33"	4'-0"	4'-6"	3'-8 3/4"	4'-2 3/4"	3'-3"	3 3/8"	10	419	88	1 3/8"	21 847
36"	4'-0"	4'-6"	3'-11 3/4"	4'-5 3/4"	3'-6"	3 3/8"	11	486	90	1 3/8"	23 981
42"	4'-6"	5'-0"	4'-5 3/4"	4'-11 3/4"	4'-0"	3 3/8"	12	587	101	1 3/8"	27 1277
48"	5'-0"	5'-6"	4'-11 3/4"	5'-5 3/4"	4'-6"	3 3/8"	14	748	112	1 3/8"	29 1507



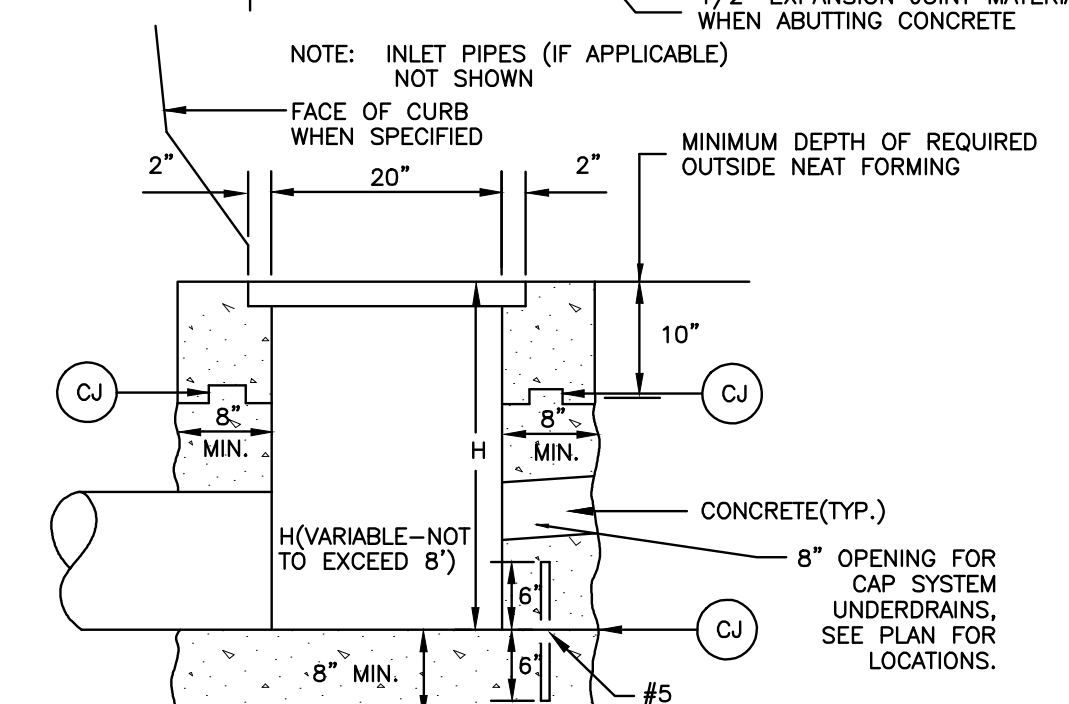
EXPLODED DETAIL

TYPE "G" DROP INLET DETAIL
NO SCALE

- DROP INLET NOTES**
- OPTIONAL CONSTRUCTION JOINTS LABELED "CJ" MAY BE KEYED OR DOWELED AS PER THE TYPICAL DETAILS SHOWN HEREIN, OR AS APPROVED BY THE ENGINEER.
 - THE TOP OF THE INLET AND GRATE SHALL BE HORIZONTAL UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. REBARS ARE TO BE INSTALLED AT THE QUARTER POINTS TO CONNECT CURB TO INLET. REBARS ARE NOT REQUIRED IF CURB IS POURED MONOLITHICALLY WITH THE INLET OR TYPE V OR V-MEDIAN IS SPECIFIED ON THE PLANS.
 - THE CONTRACTOR MAY, AT HIS OPTION, OMIT USE OF THE FRAME BY FORMING A LEDGE IN THE CONCRETE.
 - SPECIAL CARE SHALL BE EXERCISED IN FORMING THE 2" WIDE CONCRETE LEDGE TO PROVIDE A SMOOTH, EVEN SURFACE FOR SUPPORTING THE GRATE IF A FRAME IS NOT USED. NO PROJECTIONS SHALL EXIST ON THE GRATE AND THE GRATE SHALL SEAT ON THE LEDGE WITHOUT ROCKING.
 - FIBER FORM SHALL BE REMOVED PRIOR TO COMPLETION OF THE PROJECT.
 - PC (MINIMUM PIPE COVER) SHALL BE 12" BELOW INLET TOP FOR PIPES PLACED UNDER SIDEWALK OR GRASSY AREA OR 24" BELOW INLET TOP FOR PIPES PLACED UNDER PAVEMENT OR SHOULDER.
 - TYPE 2 GRATE, A RURAL AND EXPRESSWAY TYPE GRATE SHALL BE USED AT ALL LOCATIONS.
 - TYPE G DROP INLET SHALL BE USED FOR CPP SIZES OF 18 INCHES DIAMETER OR LARGER.
 - DROP INLETS SHALL BE PROVIDED WITH 8 INCH DIAMETER OPENINGS FOR CAP SYSTEM UNDERDRAINS.
 - THE EXCAVATION MADE FOR INSTALLATION OF THE DROP INLET SHALL BE BACKFILLED WITH COMPACTED SOIL. COMPACTED SOIL BACKFILL SHALL BE PLACED IN 6 INCH LIFTS AND EACH LIFT COMPACTED USING MECHANICAL TAMPERS. SOIL BACKFILL SHALL EXTEND A MINIMUM OF 5 FEET AWAY FROM THE OUTSIDE OF THE DROP INLET BOX. COMPACTED SOIL BACKFILL IS INTENDED TO PREVENT WATER FROM THE STONE PIPE BEDDING/BACKFILL FROM STANDING AGAINST THE BOX.

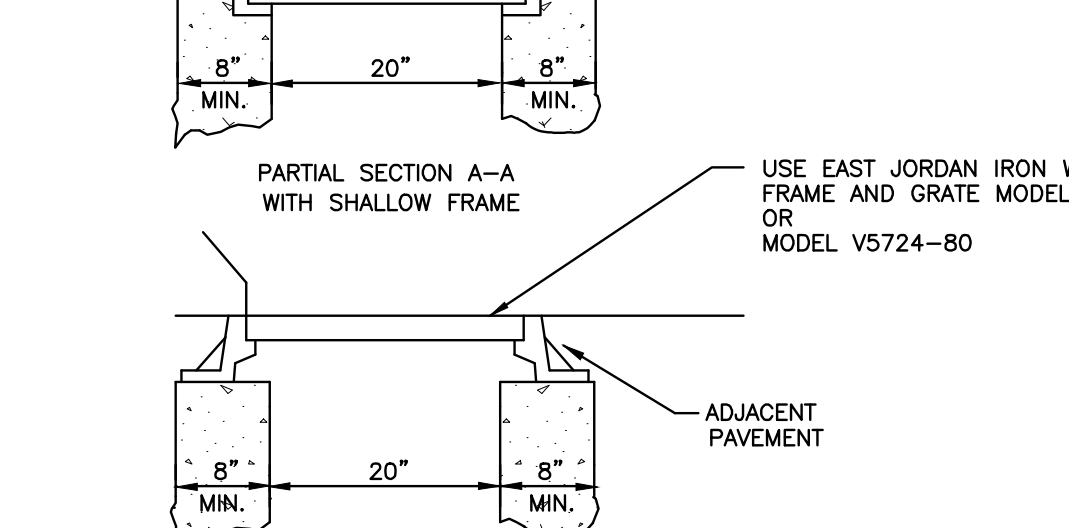


CONSTRUCTION JOINT DETAILS



SECTION A-A

WITHOUT SHALLOW FRAME



PARTIAL SECTION A-A

WITH SHALLOW FRAME

TYPE B DROP INLET DETAIL
NO SCALE

ISSUED FOR BIDDING 5-2-12